1942

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

MARCH, 1942

J. A. BROWN, DIRECTOR

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MARCH 1942

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0C Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	*8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	61.2	59.8	60.1	60.4	21.0	14.4	14.4	19.1	17.7	17.1
2	55.9	8.2	2.3	58.8	25.0	13.6	19.5	20.4	16.1	18.7
3	63.6	62.8	2.5	63.0	19.4	15.1	15.2	18.4	15.8	16.5
4	1.8	59.4	57.9	59.7	20.7	15.2	15.2	18.6	16.3	16.7
5	49.9	49.1	1.0	0.0	23.1	12.8	20.4	22.3	17.4	20.0
6	50.9	53.9	56.7	53.8	17.0	12.8	12.8	14.8	14.4	14.0
7	9.2	9.4	61.1	9.9	18.5	13.4	14.9	18.2	14.7	15.9
8	62.2	62.1	2.6	62.3	18.2	13.8	15.1	17.3	15.8	16.1
9	1.0	59.7	58.5	59.7	20 0	14.3	15.1	19.2	17.1	17.1
10	0.4	60.3	60.6	60.4	18 0	11.9	14.3	17.2	13.4	15.0
11	59.6	59.0	59.7	59.4	18.2	12.5	12.9	16.8	13.7	14.5
12	8.6	7.7	8.2	8.3	17.7	11.7	13.7	16.9	14.3	15.0
13	9.9	60.9	63.3	61.4	17.3	11.3	11.7	16.3	14.4	14.1
14	67.3	7.7	7.7	7.6	19.0	11.9	13.6	18.3	13.7	15.2
15	6.1	4.2	3.1	4.5	18.7	13.4	13.4	17.1	15.0	15.2
16	61.6	60.9	60.6	61.0	20.0	13.7	14.3	18.8	15.2	16.1
17	59.2	57.8	55.9	57.6	23.5	14.8	14.8	20.3	17.6	17.6
18	4.1	4.7	5.2	4.7	22.2	14.1	22.0	21.2	17.2	20.1
19	5.4	4.9	8.9	6.4	16.4	12.2	15.0	14.5	14.6	14.7
20	9.1	9.2	8.6	9.0	18.5	12.5	14.7	13.3	13.2	13.7
21	57.4	55.7	54.9	56.0	19.3	11.1	14.8	17.8	12.9	15.2
22	4.6	4.3	7.7	5.5	15.6	8.2	11.6	13.8	10.0	11.8
23	63.4	65.9	68.6	66.0	11.1	5.9	8.3	10.7	8.0	9.0
24	8.7	7.4	6.5	7.5	13.8	9.1	9.1	12.9	10.2	10.7
25	2.1	58.5	54.2	58.3	26.2	13.1	13.1	19.9	23.8	18.9
26	57.4	58.1	60.3	58.6	20.1	13.3	16.7	18.7	14.6	16.7
27	61.6	61.7	2.9	62.1	20.2	11.9	15.1	19.6	13.7	16.1
28	4.4	3.2	3.6	3.7	19.8	13.0	13.9	19.4	15.6	16.3
29	4.7	2.6	3.1	3.5	21.0	13.4	18.3	19.3	16.2	17.9
30	0.8	58.9	57.4	59.0	26.2	17.1	17.1	23.8	18.9	19.9
31	55.4	4.4	5.9	5.2	27.5	16.2	22.7	27.1	20.9	23.6
	59.91	59.43	59.79	59.79	19.78	12.82	14.95	18.12	15.26	16.11

Barometer, range for month 768.7 mm.—749.1 mm.

„ 62-yr. average for month 761.21 mm.

Thermometer, range for month 27.5° C.—5.9° C.

„ 62-yr. average for month 16.21° C.

Rain, total for month 172.46 mm.

„ , 62-yr. average for month 89.15 mm.

„ , total, from Sept. 1st 860.30 mm.

62-yr. average, total from Sept. 1st 804.67 mm.

*Summer time

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METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	11.2	12.8	11.7	11.9	91	78	77	82	4.0	299.2	
2	12.3	12.4	12.1	12.3	73	69	89	77	5.0	619.2	
3	9.8	12.2	11.3	11.1	76	78	84	79	5.8	203.2	
4	11.7	12.1	13.2	12.3	91	77	96	88	2.0	363.2	
5	11.5	11.8	13.1	12.1	64	56	88	69	0.2	840.0	3.56
6	11.0	11.7	11.6	11.4	99	96	94	96	2.0	537.6	23.11
7	10.9	11.3	10.3	10.8	87	73	83	81	7.8	672.0	1.52
8	9.9	12.1	11.4	11.1	77	82	87	82	5.8	227.2	
9	11.8	12.6	9.6	11.3	92	76	67	78	8.7	416.0	
10	10.0	10.3	9.5	9.9	82	71	82	78	4.4	248.0	
11	8.8	10.4	9.3	9.4	78	73	79	77	4.2	152.0	
12	9.6	11.0	10.6	10.4	82	77	87	82	3.6	209.6	
13	9.6	9.7	8.8	9.4	93	71	72	79	6.0	441.6	4.57
14	9.8	10.7	9.6	10.0	85	69	82	79	8.2	268.8	3.56
15	8.7	10.7	10.3	9.9	75	74	81	77	4.7	397.0	
16	10.0	12.1	10.9	11.0	82	75	85	81	9.0	491.2	
17	10.5	13.3	12.2	12.0	84	75	81	80	5.8	305.6	
18	10.6	12.7	11.3	11.5	54	68	77	66	0.1	667.2	2.03
19	11.5	11.9	11.2	11.5	91	98	91	93	0.8	1024.0	92.45
20	9.9	10.6	9.8	10.1	79	94	86	86	1.7	624.0	7.88
21	9.7	11.6	10.3	10.5	78	77	92	82	2.0	897.6	8.64
22	9.6	9.9	7.6	9.0	94	84	83	87	2.6	1136.0	24.38
23	5.5	5.9	4.8	5.4	68	62	59	63	5.9	755.2	0.76
24	5.8	7.0	7.1	6.6	67	63	77	69	8.8	326.4	
25	7.7	10.9	7.5	8.7	69	63	55	56	8.0	617.6	
26	11.7	11.6	10.6	11.3	83	73	85	80	4.9	364.8	
27	9.7	11.8	9.6	10.4	76	69	82	76	9.3	230.4	
28	19.0	10.9	9.6	9.8	76	65	73	71	9.3	344.0	
29	11.3	12.6	12.3	12.1	73	75	90	79	5.8	624.0	
30	12.8	15.5	13.8	14.0	89	70	84	81	8.7	152.0	
31	12.1	12.3	11.3	11.9	58	46	62	55	8.0	552.0	
	10.12	11.36	10.39	10.61	79.5	73.4	80.3	77.7	5.26	484.08	5.56

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.: above sea level 30.3 m.

Time of readings minus 3 hours equals G.C.T.

62-year averages are for period, 1875-1936

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	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10cu	10cu	10cu	10.0	0	0	1se	slight	Fog a.m.
2	9cu	0	9cu	6.0	1e	3sw	1sw	„	H at noon
3	2cu	10cu	10cu	7.3	0	1sw	0	„	D & M a.m.
4	10cu	9ci	10cu	9.7	2ne	1ne	2ne	„	
5	10cu	10cu	1ni	7.0	1e	3sw	3sw	„	
6	3ni	10ni	8ni	7.0	0	2w	1sw	mod.	
7	4cu	2cu	4cu	3.3	2sw	3sw	1sw	„	
8	0	9cu	10cu	6.3	1sw	2sw	0	slight	
9	2ci	0	0	0.7	0	1ne	2ne	light	D & M a.m.
10	7cu	2ci	3cu	4.0	0	1nw	1n	slight	
11	3cu	6cu	0	3.0	0	2w	0	light	
12	0	10cu	10cu	6.7	0	1nw	0	calm	tr. rain at noon
13	10ni	5cu	3cu	6.0	0	2sw	1sw	slight	
14	3cu	1ci	0	3.3	1sw	1sw	0	„	
15	9ci	10ci	7ci	8.7	0	1nw	2n	„	
16	0	3cu	0	1.0	0	2ne	2ne	light	
17	1cu	5ci	9cu	5.0	0	1ne	1ne	slight	D a.m.
18	10cu	10cu	8cu	9.3	2w	2sw	1sw	light	
19	10ni	10ni	8ni	9.3	3sw	4sw	2sw	rough	
20	5cu	10ni	2ni	6.0	2sw	1sw	1sw	mod.	
21	9cu	9cu	10ni	9.3	2sw	3sw	3sw	slight	
22	10ni	8ni	10ni	9.3	3sw	5sw	4sw	rough	Sn. flurry & Tp.m.
23	5cu	7cu	6cu	6.0	3nw	2nw	2nw	mod.	
24	0	0	0	0.0	3ne	1ne	0ne	„	H a.m.
25	0	1ci	0	0.3	0	1ne	2e	slight	„ „ & sir. 8 p.m.
26	10cu	10ci	6cu	8.7	2sw	2sw	0	„	fog a.m.
27	1cu	1cu	0	0.7	1se	2w	0	light	
28	0	0	0	0.0	0	1nw	1nw	„	
29	0	8ci	10ci	6.0	1n	2ne	2ne	slight	
30	0	0	0	0.0	0	1e	1e	„	
31	1cu	0	3cu	1.3	1sw	0	2sw	light	
				5.20					

* Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	1	2	2	1	0	9	1	1	14	31
14:30	0	7	1	0	0	13	3	5	2	31
20:30	2	5	2	1	0	10	1	2	8	31
Totals	3	14	5	2	0	32	5	8	24	93

Number of days with rain 11, fog 2, thunderstorms 1, gale 0.

62 yr. av. days with rain during month 10.5 days